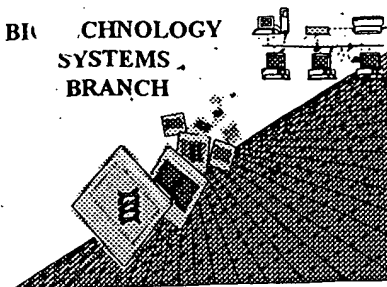


RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



FILE COPY

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: ~~08~~ 09/721,495
Source: OIPE
Date Processed by STIC: 08/17/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/721,495

DATE: 08/17/2001

TIME: 12:07:07

Input Set : A:\-7-2-1.app

Output Set: N:\CRF3\08162001\I721495.raw

Does Not Comply
Corrected Diskette NeededErrored
see page 3 of 7

3 <110> APPLICANT: Gosling, Jennifa
 4 Dairaghi, Daniel J.
 5 Hanley, Michael
 6 Miao, Zhenhua
 7 Talbot, Dale
 8 Schall, Thomas J.
 9 ChemoCentryx, Inc.
 11 <120> TITLE OF INVENTION: Chemokine Receptor
 13 <130> FILE REFERENCE: 019934-0007210US
 15 <140> CURRENT APPLICATION NUMBER: US 09/721,495
 16 <141> CURRENT FILING DATE: 2000-11-21
 18 <150> PRIOR APPLICATION NUMBER: US 60/159,015
 19 <151> PRIOR FILING DATE: 1999-10-12
 21 <150> PRIOR APPLICATION NUMBER: US 60/159,210
 22 <151> PRIOR FILING DATE: 1999-10-13
 24 <150> PRIOR APPLICATION NUMBER: US 60/172,979
 25 <151> PRIOR FILING DATE: 1999-12-20
 27 <150> PRIOR APPLICATION NUMBER: US 60/173,388
 28 <151> PRIOR FILING DATE: 1999-12-28
 30 <150> PRIOR APPLICATION NUMBER: US 60/186,626
 31 <151> PRIOR FILING DATE: 2000-03-03
 33 <150> PRIOR APPLICATION NUMBER: US 09/686,019
 34 <151> PRIOR FILING DATE: 2000-10-10
 36 <160> NUMBER OF SEQ ID NOS: 14
 38 <170> SOFTWARE: PatentIn Ver. 2.1
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 42 <212> TYPE: DNA
 43 <213> ORGANISM: Homo sapiens
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 47 <222> LOCATION: (1)..(1053)
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 55 1 5 10 15
 57 gaa atg aat ggc act tat gac tac agt caa tat gaa ctg atc tgt atc 96
 58 Glu Met Asn Gly Thr Tyr Asp Tyr Ser Gln Tyr Glu Leu Ile Cys Ile
 59 20 25 30
 61 aaa gaa gat gtc aga gaa ttt gca aaa gtt ttc ctc cct gta ttc ctc 144
 62 Lys Glu Asp Val Arg Glu Phe Ala Lys Val Phe Leu Pro Val Phe Leu
 63 35 40 45
 65 aca ata gtt ttc gtc att gga ctt gca ggc aat tcc atg gta gtg gca 192
 66 Thr Ile Val Phe Val Ile Gly Leu Ala Gly Asn Ser Met Val Val Ala
 67 50 55 60

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/721,495

DATE: 08/17/2001

TIME: 12:07:07

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70 Ile Tyr Ala Tyr Tyr Lys Lys Gln Arg Thr Lys Thr Asp Val Tyr Ile
71 65 70 75 80
73 ctg aat ttg gct gta gca gat tta ctc ctt cta ttc act ctg cct ttt 288
74 Leu Asn Leu Ala Val Ala Asp Leu Leu Leu Leu Phe Thr Leu Pro Phe
75 85 90 95
77 tgg gct gtt aat gca gtt cat ggg tgg gtt tta ggg aaa ata atg tgc 336
78 Trp Ala Val Asn Ala Val His Gly Trp Val Leu Gly Lys Ile Met Cys
79 100 105 110
81 aaa ata act tca gcc ttg tac aca cta aac ttt gtc tct gga atg cag 384
82 Lys Ile Thr Ser Ala Leu Tyr Thr Leu Asn Phe Val Ser Gly Met Gln
83 115 120 125
85 ttt ctg gct tgt atc agc ata gac aga tat gtg gca gta act aaa gtc 432
86 Phe Leu Ala Cys Ile Ser Ile Asp Arg Tyr Val Ala Val Thr Lys Val
87 130 135 140
89 ccc agc caa tca gga gtg gga aaa cca tgc tgg atc atc tgt ttc tgt 480
90 Pro Ser Gln Ser Gly Val Gly Lys Pro Cys Trp Ile Ile Cys Phe Cys
91 145 150 155 160
93 gtc tgg atg gct gcc atc ttg ctg agc ata ccc cag ctg gtt ttt tat 528
94 Val Trp Met Ala Ala Ile Leu Leu Ser Ile Pro Gln Leu Val Phe Tyr
95 165 170 175
97 aca gta aat gac aat gct agg tgc att ccc att ttc ccc cgc tac cta 576
98 Thr Val Asn Asp Asn Ala Arg Cys Ile Pro Ile Phe Pro Arg Tyr Leu
99 180 185 190
101 gga aca tca atg aaa gca ttg att caa atg cta gag atc tgc att gga 624
102 Gly Thr Ser Met Lys Ala Leu Ile Gln Met Leu Glu Ile Cys Ile Gly
103 195 200 205
105 ttt gta gta ccc ttt ctt att atg ggg gtg tgc tac ttt atc aca gca 672
106 Phe Val Val Pro Phe Leu Ile Met Gly Val Cys Tyr Phe Ile Thr Ala
107 210 215 220
109 agg aca ctc atg aag atg cca aac att aaa ata tct cga ccc cta aaa 720
110 Arg Thr Leu Met Lys Met Pro Asn Ile Lys Ile Ser Arg Pro Leu Lys
111 225 230 235 240
113 gtt ctg ctc aca gtc gtt ata gtt ttc att gtc act caa ctg cct tat 768
114 Val Leu Leu Thr Val Val Ile Val Phe Ile Val Thr Gln Leu Pro Tyr
115 245 250 255
117 aac att gtc aag ttc tgc cga gcc ata gac atc atc tac tcc ctg atc 816
118 Asn Ile Val Lys Phe Cys Arg Ala Ile Asp Ile Ile Tyr Ser Leu Ile
119 260 265 270
121 acc agc tgc aac atg agc aaa cgc atg gac atc gcc atc caa gtc aca 864
122 Thr Ser Cys Asn Met Ser Lys Arg Met Asp Ile Ala Ile Gln Val Thr
123 275 280 285
125 gaa agc atc gca ctc ttt cac agc tgc ctc aac cca atc ctt tat gtt 912
126 Glu Ser Ile Ala Leu Phe His Ser Cys Leu Asn Pro Ile Leu Tyr Val
127 290 295 300
129 ttt atg gga gca tct ttc aaa aac tac gtt atg aaa gtg gcc aag aaa 960
130 Phe Met Gly Ala Ser Phe Lys Asn Tyr Val Met Lys Val Ala Lys Lys
131 305 310 315 320
133 tat ggg tcc tgg aga aga cag aga caa agt gtg gag gag ttt cct ttt 1008

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/721,495

DATE: 08/17/2001

TIME: 12:07:07

Input Set : A:\-7-2-1.app

Output Set: N:\CRF3\08162001\I721495.raw

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134 Tyr Gly Ser Trp Arg Arg Gln Arg Gln Ser Val Glu Glu Phe Pro Phe
135           325           330           335
137 gat tct gag ggt cct aca gag cca acc agt act ttt agc att taa      1053
138 Asp Ser Glu Gly Pro Thr Glu Pro Thr Ser Thr Phe Ser Ile
139           340           345           350
141 aggtaaaact gctctgcctt ttgcttggat acatatgaat gatgctttcc cctcaaataa 1113
143 aacatctgcc ttattctgaa aaaaaaaaaa aaam      1147
146 <210> SEQ ID NO: 2
147 <211> LENGTH: 350
148 <212> TYPE: PRT
149 <213> ORGANISM: Homo sapiens
150 <223> OTHER INFORMATION: chemokine receptor CCX CKR
152 <400> SEQUENCE: 2
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154   1           5           10           15
155 Glu Met Asn Gly Thr Tyr Asp Tyr Ser Gln Tyr Glu Leu Ile Cys Ile
156           20           25           30
157 Lys Glu Asp Val Arg Glu Phe Ala Lys Val Phe Leu Pro Val Phe Leu
158           35           40           45
159 Thr Ile Val Phe Val Ile Gly Leu Ala Gly Asn Ser Met Val Val Ala
160           50           55           60
161 Ile Tyr Ala Tyr Tyr Lys Lys Gln Arg Thr Lys Thr Asp Val Tyr Ile
162   65           70           75           80
163 Leu Asn Leu Ala Val Ala Asp Leu Leu Leu Leu Phe Thr Leu Pro Phe
164           85           90           95
165 Trp Ala Val Asn Ala Val His Gly Trp Val Leu Gly Lys Ile Met Cys
166           100          105          110
167 Lys Ile Thr Ser Ala Leu Tyr Thr Leu Asn Phe Val Ser Gly Met Gln
168           115          120          125
169 Phe Leu Ala Cys Ile Ser Ile Asp Arg Tyr Val Ala Val Thr Lys Val
170           130          135          140
171 Pro Ser Gln Ser Gly Val Gly Lys Pro Cys Trp Ile Ile Cys Phe Cys
172 145          150          155          160
173 Val Trp Met Ala Ala Ile Leu Leu Ser Ile Pro Gln Leu Val Phe Tyr
174           165          170          175
175 Thr Val Asn Asp Asn Ala Arg Cys Ile Pro Ile Phe Pro Arg Tyr Leu
176           180          185          190
177 Gly Thr Ser Met Lys Ala Leu Ile Gln Met Leu Glu Ile Cys Ile Gly
178           195          200          205
179 Phe Val Val Pro Phe Leu Ile Met Gly Val Cys Tyr Phe Ile Thr Ala
180           210          215          220
181 Arg Thr Leu Met Lys Met Pro Asn Ile Lys Ile Ser Arg Pro Leu Lys
182 225          230          235          240
183 Val Leu Leu Thr Val Val Ile Val Phe Ile Val Thr Gln Leu Pro Tyr
184           245          250          255
185 Asn Ile Val Lys Phe Cys Arg Ala Ile Asp Ile Ile Tyr Ser Leu Ile
186           260          265          270
187 Thr Ser Cys Asn Met Ser Lys Arg Met Asp Ile Ala Ile Gln Val Thr
188           275          280          285

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Errored If you designate fields 221, 222 or 223,
you must use the header field 220.

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/721,495

DATE: 08/17/2001

TIME: 12:07:07

Input Set : A:\-7-2-1.app

Output Set: N:\CRF3\08162001\I721495.raw

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189 Glu Ser Ile Ala Leu Phe His Ser Cys Leu Asn Pro Ile Leu Tyr Val
190      290      295      300
191 Phe Met Gly Ala Ser Phe Lys Asn Tyr Val Met Lys Val Ala Lys Lys
192 305      310      315      320
193 Tyr Gly Ser Trp Arg Arg Gln Arg Gln Ser Val Glu Glu Phe Pro Phe
194      325      330      335
195 Asp Ser Glu Gly Pro Thr Glu Pro Thr Ser Thr Phe Ser Ile
196      340      345      350

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199 <210> SEQ ID NO: 3

200 <211> LENGTH: 1147

201 <212> TYPE: DNA

202 <213> ORGANISM: Homo sapiens

204 <220> FEATURE:

205 <223> OTHER INFORMATION: chemokine receptor CCX CKR (variant)

207 <400> SEQUENCE: 3

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209 actgatgact acagtcagta tgaactgata tgtatcaaag aagatgtcag agaatttgcc 120
210 aaagttttcc ccctgtatt cctcacaata gttttcgtca ttggacttgc aggcaattcc 180
211 atggtagtgg caatttatgc ctattacaag aaacagagaa ccaaaacaga tgtgtacatc 240
212 ctgaatttgg ctgtagcaga tttaactcct ctattcactc tgcctttttg ggctgttaat 300
213 gcagttcatg ggtgggtttt agggaaaata atgtgcaaaa taacttcagc cttgtacaca 360
214 ctaaaactttg tctctggaat gcagtttctg gcttgatca gcatagacag atatgtggca 420
215 gtaactaaag tccccagcca atcaggagtg ggaaaacat gctggatcat ctgtttctgt 480
216 gtctggatgg ctgccatctt gctgagcata cccagctgg ttttttatac agtaaatgac 540
217 aatgttaggt gcattcccat tttccccgc aacttaggaa catcaatgaa agcattgatt 600
218 caaatgctag agatctgcat tggatttgta gtacccttct ttattatggg ggtgtgctac 660
219 tttatcacag caaggacact catgaagatg ccaaacatta aaatatctcg acccctaaaa 720
220 gttctgctca cagtcgttat agttttcatt gtcactcaac tgccttataa cattgtcaag 780
221 ttctgccgag ccatagacat catctactcc ctgatcacca gctgcaacat gagcaaacgc 840
222 atggacatcg ccattccaagt cacagaaagc atcgactct ttcacagctg cctcaaccca 900
223 atcctttatg tttttatggg agcatcttct aaaaactacg ttatgaaagt ggccaagaaa 960
224 tatgggtcct ggagaagaca gagacaaagt gtggaggagt ttccttttga ttctgagggt 1020
225 cctacagagc caaccagtac ttttagcatt taaaggtaaa actgctctgc cttttgcttg 1080
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227 aaaaaam 1147

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230 <210> SEQ ID NO: 4

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232 <212> TYPE: DNA

233 <213> ORGANISM: Artificial Sequence

235 <220> FEATURE:

236 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

238 <400> SEQUENCE: 4

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25

242 <210> SEQ ID NO: 5

243 <211> LENGTH: 19

244 <212> TYPE: DNA

245 <213> ORGANISM: Artificial Sequence

247 <220> FEATURE:

248 <223> OTHER INFORMATION: Description of Artificial Sequence: primer

RAW SEQUENCE LISTING
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Output Set: N:\CRF3\08162001\I721495.raw

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257 <213> ORGANISM: Homo sapiens
259 <220> FEATURE:
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266 20 25 30
267 Phe Thr Asp Phe Tyr Cys Glu Lys Asn Asn Val Arg Gln Phe Ala Ser
268 35 40 45
269 His Phe Leu Pro Pro Leu Tyr Trp Leu Val Phe Ile Val Gly Ala Leu
270 50 55 60
271 Gly Asn Ser Leu Val Ile Leu Val Tyr Trp Tyr Cys Thr Arg Val Lys
272 65 70 75 80
273 Thr Met Thr Asp Met Phe Leu Leu Asn Leu Ala Ile Ala Asp Leu Leu
274 85 90 95
275 Phe Leu Val Thr Leu Pro Phe Trp Ala Ile Ala Ala Ala Asp Gln Trp
276 100 105 110
277 Lys Phe Gln Thr Phe Met Cys Lys Val Val Asn Ser Met Tyr Lys Met
278 115 120 125
279 Asn Phe Tyr Ser Cys Val Leu Leu Ile Met Cys Ile Ser Val Asp Arg
280 130 135 140
281 Tyr Ile Ala Ile Ala Gln Ala Met Arg Ala His Thr Trp Arg Glu Lys
282 145 150 155 160
283 Arg Leu Leu Tyr Ser Lys Met Val Cys Phe Thr Ile Trp Val Leu Ala
284 165 170 175
285 Ala Ala Leu Cys Ile Pro Glu Ile Leu Tyr Ser Gln Ile Lys Glu Glu
286 180 185 190
287 Ser Gly Ile Ala Ile Cys Thr Met Val Tyr Pro Ser Asp Glu Ser Thr
288 195 200 205
289 Lys Leu Lys Ser Ala Val Leu Thr Leu Lys Val Ile Leu Gly Phe Phe
290 210 215 220
291 Leu Pro Phe Val Val Met Ala Cys Cys Tyr Thr Ile Ile Ile His Thr
292 225 230 235 240
293 Leu Ile Gln Ala Lys Lys Ser Ser Lys His Lys Ala Leu Lys Val Thr
294 245 250 255
295 Ile Thr Val Leu Thr Val Phe Val Leu Ser Gln Phe Pro Tyr Asn Cys
296 260 265 270
297 Ile Leu Leu Val Gln Thr Ile Asp Ala Tyr Ala Met Phe Ile Ser Asn
298 275 280 285
299 Cys Ala Val Ser Thr Asn Ile Asp Ile Cys Phe Gln Val Thr Gln Thr
300 290 295 300
301 Ile Ala Phe Phe His Ser Cys Leu Asn Pro Val Leu Tyr Val Phe Val
302 305 310 315 320

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/721,495

DATE: 08/17/2001

TIME: 12:07:08

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